

**ABSTRACT**

Electromagnetic device for fusion and  
interfacial agitation of diphase systems, particularly for  
5 the acceleration of metallurgic or pyrochemical processes.

This device comprises for example a crucible  
(2, 28), to contain a diphase system, an inductor (4)  
surrounding this crucible and means (18) for the supply of  
the inductor by a current with two components, namely a  
10 high frequency component which melts the phases of the  
system and a low frequency component which agitates the  
interface (12) of the phases.

Figure 2.

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